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CLE Yen, SJ Stone, S Cases, P Zhou, ... - Proceedings of the ..., 2002 - National Acad Sciences

Acyl-CoA:monoacylglycerol acyltransferase (MGAT) catalyzes the synthesis of diacylglycerol, the precursor of physiologically important lipids such as triacylglycerol and phospholipids. In the intestine, MGAT plays a major role in the absorption of dietary fat ...

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... characterization of a mouse intestinal acyl-CoA: monoacylglycerol acyltransferase, ...-

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J Cao, J Lockwood, P Burn, Y Shi - Journal of Biological Chemistry, 2003 - ASBMB

Acyl-CoA:monoacylglycerol transferase (MGAT) plays a predominant role in dietary fat absorption in the small intestine, where it catalyzes the first step of triacylglycerol resynthesis in enterocytes for chylomicron formation and secretion. Although the mouse small intestine exhibits the ...

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Hepatic monoacylglycerol acyltransferase. Characterization of an activity ...- ► [jbc.org](#) (PDF)

RA Coleman, EB Haynes - Journal of Biological Chemistry, 1984 - ASBMB

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CLE Yen, RV Farese - Journal of Biological Chemistry, 2003 - ASBMB

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► Identification of acyl coenzyme A: monoacylglycerol acyltransferase 3, an intestinal ...

D Cheng, TC Nelson, J Chen, SG Walker, J ... - Journal of Biological ..., 2003 - ASBMB

Acyl coenzyme A:monoacylglycerol acyltransferase (MGAT) catalyzes the synthesis of diacylglycerol using 2-monoacylglycerol and fatty acyl coenzyme A. This enzymatic reaction is believed to be an essential and rate-limiting step for the absorption of fat in the small intestine. Although ...

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[CITATION] Diacylglycerol acyltransferase and monoacylglycerol acyltransferase from liver and ...

RA Coleman - Methods in enzymology, 1992 - ncbi.nlm.nih.gov

1992;209:98-104. Diacylglycerol acyltransferase and monoacylglycerol acyltransferase from liver and intestine. Coleman RA. Publication Types: Research Support, US Gov't, PHS. Mesh

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RA Coleman, EB Haynes - Journal of Biological Chemistry, 1986 - ASBMB

... Since lack of specificity might have resulted from the presence of a second intestinal **acyltransferase** capable of acylating 1-**monoacylglycerols**, we examined ... the ether analogs of 1- and 2-mono-C181 glycerols before and after **monoacylglycerol acyltransferase** activity was ...

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... of essential fatty acids: the role of hepatic **monoacylglycerol acyltransferase**

T Xia, N Mostafa, BG Bhat, GL Florant, ... - American Journal of ..., 1993 - Am Physiological Soc

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J Cao, P Burn, Y Shi - Journal of Biological Chemistry, 2003 - ASBMB

Acyl-CoA:**monoacylglycerol acyltransferase** (MGAT) plays an important role in dietary fat absorption by catalyzing a rate-limiting step in the re-synthesis of diacylglycerols in enterocytes. The present study reports further characterization of MGAT2, a newly identified intestinal MGAT (Cao, ...

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... 269, No. 18, Issue of May 6, pp. 13172-13178, 1994 Printed in USA Hepatic **Monoacylglycerol Acyltransferase** Is Regulated by sn-1,2-Diacylglycerol and by Specific Lipids in Triton X-100Phospholipid-mixed Micelles" - ... Rat hepatic **monoacylglycerol acyltransferase** (EC 2.3.1.22) ...

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